

WHAT IS CLAIMED IS:

1. A boarding environment controlling system constituted by a communication device and by a boarding environment controlling apparatus which is mounted on a vehicle and which communicates with said communication device, said boarding environment controlling system comprising:

detecting means which is included in said communication device and which detects a detection target object for personal authentication;

personal authentication processing means for performing a personal authentication process based on said detection target object detected by said detecting means;

registration storing means which, in association with each of persons to be authenticated in said personal authenticating process, stores registration of setting status information denoting a predetermined boarding environment of said vehicle;

door lock controlling means which is included in said boarding environment controlling apparatus and which unlocks doors of said vehicle when any one of said persons is authenticated in said personal authentication process; and

setting status controlling means which is included in said boarding environment controlling apparatus and which, if any one of said persons is authenticated in said personal authentication process, changes the boarding environment setting status of said vehicle in accordance with the setting status information associated with the authenticated person from among the setting status information stored in said registration storing means.

2. A boarding environment controlling apparatus comprising:

communicating means for communicating with a communication device which detects a detection target object for personal authentication;

registration storing means for storing registration of setting status information denoting a predetermined boarding environment of a vehicle in association with each of persons to be authenticated in a personal authentication process performed in accordance with said detection target object detected by said communication device;

door lock controlling means for unlocking doors of said vehicle when any one of said persons is authenticated in said personal authentication process;

and

setting status controlling means which, if any one of said persons is authenticated in said personal authentication process, changes the boarding environment setting status of said vehicle in accordance with the setting status information associated with the authenticated person from among the setting status information stored in said registration storing means.

3. The boarding environment controlling apparatus according to claim 2, wherein said setting status controlling means changes, as said boarding environment setting status, setting status of a specific mechanism related to a body of said vehicle.

4. The boarding environment controlling apparatus according to claim 3, wherein said specific mechanism related to the body of said vehicle is at least one of an exterior mirror moving mechanism, an interior mirror moving mechanism, and a driver seat position moving mechanism.

5. The boarding environment controlling apparatus according to claim 2, wherein said setting status controlling means changes, as said boarding environment setting status, a specific setting item regarding electronic equipment which is mounted on said vehicle and

which has predetermined functions.

6. A boarding environment controlling method for use with a boarding environment controlling system constituted by a communication device and by a boarding environment controlling apparatus which is mounted on a vehicle and which communicates with said communication device, said boarding environment controlling method comprising the steps of:

detecting a detection target object for personal authentication through said communication device;

performing a personal authentication process based on said detection target object detected in said detecting step;

storing, into a predetermined storage area, registration of setting status information denoting a predetermined boarding environment of said vehicle in association with each of persons to be authenticated in said personal authenticating process;

unlocking doors of said vehicle through said boarding environment controlling apparatus when any one of said persons is authenticated in said personal authentication process; and

if any one of said persons is authenticated in said personal authentication process, then changing, through

said boarding environment controlling apparatus, the boarding environment setting status of said vehicle in accordance with the setting status information associated with the authenticated person from among the setting status information stored in the storage areas.